CREATE TABLE admin(

adminId INT(10) NOT NULL AUTO\_INCREMENT,

username VARCHAR(255) NOT NULL UNIQUE,

password VARCHAR(255) NOT NULL,

firstName VARCHAR(255) NOT NULL,

lastName VARCHAR(255) NOT NULL,

PRIMARY KEY(adminId)

);

CREATE TABLE author(

authorId INT(10) NOT NULL AUTO\_INCREMENT,

authorName VARCHAR(255) NOT NULL UNIQUE,

PRIMARY KEY(authorId)

);

CREATE TABLE category(

categoryId INT(10) NOT NULL AUTO\_INCREMENT,

categoryTitle VARCHAR(255) NOT NULL UNIQUE,

PRIMARY KEY(categoryId)

);

CREATE TABLE publisher(

publisherId INT(10) NOT NULL AUTO\_INCREMENT,

publisherName VARCHAR(255) NOT NULL UNIQUE,

contactNo VARCHAR(20) NOT NULL,

PRIMARY KEY(publisherId)

);

CREATE TABLE temp\_user(

userId VARCHAR(255),

PRIMARY KEY(userId)

);

CREATE TABLE subcategory(

subCategoryId INT(10) NOT NULL AUTO\_INCREMENT,

subCategoryTitle VARCHAR(255) NOT NULL UNIQUE,

categoryTitle VARCHAR(255) NOT NULL,

PRIMARY KEY(subCategoryId),

CONSTRAINT FK\_CK\_1 FOREIGN KEY (categoryTitle) REFERENCES category(categoryTitle)

);

CREATE TABLE book(

isbnNo VARCHAR(255) NOT NULL,

title VARCHAR(255) NOT NULL,

categoryTitle VARCHAR(255) NOT NULL,

subCategoryTitle VARCHAR(255) NOT NULL,

authorName VARCHAR(255) NOT NULL,

publisherName VARCHAR(255) NOT NULL,

price DECIMAL(10,2) NOT NULL,

availableCopies INT(10) NOT NULL,

description VARCHAR(255) NOT NULL,

edition VARCHAR(255),

imageURL VARCHAR(255) NOT NULL,

PRIMARY KEY (isbnNo),

CONSTRAINT FK\_CK\_2 FOREIGN KEY (categoryTitle) REFERENCES category(categoryTitle),

CONSTRAINT FK\_CK\_3 FOREIGN KEY (subCategoryTitle) REFERENCES subcategory(subCategoryTitle),

CONSTRAINT FK\_CK\_4 FOREIGN KEY (authorName) REFERENCES author(authorName),

CONSTRAINT FK\_CK\_5 FOREIGN KEY (publisherName) REFERENCES publisher(publisherName)

);

CREATE TABLE user\_viewed\_book(

userId VARCHAR(255) NOT NULL,

isbnNo VARCHAR(255) NOT NULL,

date DATETIME on update CURRENT\_TIMESTAMP NOT NULL DEFAULT CURRENT\_TIMESTAMP,

CONSTRAINT FK\_CK\_6 FOREIGN KEY (userId) REFERENCES temp\_user(userId),

CONSTRAINT FK\_CK\_7 FOREIGN KEY (isbnNo) REFERENCES book(isbnNo),

PRIMARY KEY (userId, isbnNo, date)

);

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CREATE TABLE book\_subcategory(

isbnNo VARCHAR(255) NOT NULL,

subCategoryTitle VARCHAR(255) NOT NULL,

CONSTRAINT FK\_CK\_7 FOREIGN KEY (isbnNo) REFERENCES book(isbnNo),

CONSTRAINT FK\_CK\_8 FOREIGN KEY (subCategoryTitle) REFERENCES subcategory(subCategoryTitle),

PRIMARY KEY (isbnNo, subCategoryTitle)

);

CREATE TABLE book\_author(

isbnNo VARCHAR(255) NOT NULL,

authorId VARCHAR(255) NOT NULL,

CONSTRAINT FK\_CK\_6 FOREIGN KEY (isbnNo) REFERENCES book(isbnNo),

CONSTRAINT FK\_CK\_7 FOREIGN KEY (authorId) REFERENCES author(authorId),

PRIMARY KEY (isbnNo, authorId)

);